

**EAST Search History****EAST Search History (Prior Art)**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	37	"3998662"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/30 19:46
S2	71	("2813048"   "3897277"   "3898106"   "3899361"   "3899362"   "3901736"   "3902925"   "3904442"   "3910801"   "3936319"   "3956023").PN. OR ("3998662").URPN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/30 19:46
S3	14	metal and nano?object	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/30 22:22
S4	61	(atomic nano) near thread	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/30 19:47
S5	7749	quantum near1 (dot metal bump)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/30 19:47
S6	18083	monocrystalline with substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/30 20:50
S7	90	S5 and S6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/30 19:47

S8	2	"20050211970"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/30 19:48
S9	2	("2002/0088970").URPN.	USPAT	OR	ON	2007/09/30 19:49
S10	1603	nano and ((sodium near5 potassium) with metal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/30 20:27
S11	996	nano and ((sodium near5 potassium) near3 metal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/30 19:54
S12	697	nano and ((sodium near5 potassium) near2 metal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/30 19:54
S13	3	S6 and S10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/30 19:56
S14	32973	(diamond (silicon near2 carbide)) with substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/30 20:51
S15	22	S10 and S14	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/30 20:26
S16	2005	nano and ((potassium) with metal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/30 20:29

S17	36	S14 and S16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/30 20:27
S18	2543	nano and ((potassium) same metal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/30 20:30
S19	47	S14 and S18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/30 20:42
S20	27	(jellium alkaline) near metal with nano	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/30 22:21
S21	953	(jellium alkaline) near metal and nano	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/30 20:50
S22	1	S6 and S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/30 20:50
S23	1	monocrystalline and S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/30 20:50
S24	184	(diamond (silicon near2 carbide)) and S21	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/30 20:51
S25	203	metal and (nano near (dot bump))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/09/30 22:26

S26	175	metal and (nano near (dot bump))	US-PGPUB; USPAT	OR	ON	2007/09/30 22:26
S27	3763	((257/12) or (257/43) or (257/E21.272) or (257/E49.001) or (438/785) or (438/962)). CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/10/01 09:56
S28	2009	nano near (dot line metal bump)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/06 19:51
S29	139970	transition near metal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/06 19:51
S30	559947	sodium and potassium	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/06 19:51
S31	187	S28 and S29	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/06 19:51
S32	37	S31 and S30	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/06 19:51
S33	3963	((257/12) or (257/43) or (257/E21.272) or (257/E49.001) or (438/785) or (438/962)). CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/07/06 19:59
S34	1	("20020053666").PN.	US-PGPUB; USPAT	OR	OFF	2008/08/20 16:32
S35	4160	((257/12) or (257/43) or (257/E21.272) or (257/E49.001) or (438/785) or (438/962)). CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/03 09:18

S36	19753	monocrystalline with substrate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/03 09:19
S37	22272	nano and ((sodium near5 potassium) with metal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/03 09:19
S38	3	S36 and S37	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/03 09:19
S39	5	((7008886") or ("20030102490") or ("20040101625") or ("20040104406") or ("20050064639").PN.	US-PGPUB; USPAT	OR	OFF	2009/01/03 09:29
S40	783	nano near (object subject partical dot line)	US-PGPUB; USPAT	OR	ON	2009/07/04 20:37
S41	63	S40 and beta	US-PGPUB; USPAT	OR	ON	2009/07/04 20:37
S42	13	S41 and (sic (silicon near carbide))	US-PGPUB; USPAT	OR	ON	2009/07/04 20:38
S43	2847	((257/14) or (257/94) or (257/E29.071) or (257/E31.055) or (257/E33.003)).CCLS.	US-PGPUB; USPAT	OR	OFF	2009/07/04 20:41
S44	2857	nano\$5 and monocrystalline	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/05 09:27
S45	105	nano\$5 and (monocrystalline near (diamond (silicon near carbide) sic))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/05 09:29
S46	89	S45 and (jellium alkaline silver mo w ta nb co fe mn cr ti)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/05 09:30

S47	2952	(nano\$5 nanodot (nano near dot) (quantum near dot) (nano near structure) (nano near object)) and monocrystalline	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/05 09:36
S48	14543	nano\$5 and ((monocrystalline near (diamond (silicon near carbide) sic) ((silicon near carbide) sic))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/05 09:37
S49	12736	S48 and (jellium alkaline silver mo w ta nb co fe mn cr ti)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/05 09:37
S50	2826	S49 and beta	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/05 09:38
S51	144	S49 and (beta near sic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/05 09:38
S52	5193	S48 and (jellium alkaline silver)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/05 09:40
S53	42	S52 and (beta near sic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/05 09:40
S54	232412	((monocrystalline near (diamond (silicon near carbide) sic) ((silicon near carbide) sic))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/05 09:52
S55	1633	S54 and (beta near sic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/05 09:52

S56	209	S55 and (jellium alkaline silver)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/05 09:53
S57	869	D'Angelo.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/05 10:02
S58	2	marie near D'Angelo.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/05 10:02
S59	2	(marie near D'Angelo).in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/05 10:03
S60	9	("5318915"   "6274234"   "6667102"   "7008886").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/05 10:04
S61	4	("5318915"   "6274234").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/10/05 10:04
S62	13292	metal\$4 same nano samemonocrystal\$4	US-PGPUB; USPAT	OR	ON	2009/12/15 14:14
S63	2924	metallic same nano samemonocrystal\$4	US-PGPUB; USPAT	OR	ON	2009/12/15 14:14
S64	2924	metallic same nano samemonocrystallic	US-PGPUB; USPAT	OR	ON	2009/12/15 14:14
S65	0	metallic same nano same monocrystallic same ((silicon near carbide) SiC diamond)	US-PGPUB; USPAT	OR	ON	2009/12/15 14:15
S66	0	metallic same nano same monocrystallic same (SiC near beta)	US-PGPUB; USPAT	OR	ON	2009/12/15 14:15
S67	0	metallic same nano same monocrystallic same (SiC)	US-PGPUB; USPAT	OR	ON	2009/12/15 14:16
S68	0	metallic same nano same monocrystallic	US-PGPUB; USPAT	OR	ON	2009/12/15 14:16

S69	1	metallic same nano same monocystal\$4	US-PGPUB; USPAT	OR	ON	2009/12/15 14:16
S70	1232	metallic same monocystal\$4	US-PGPUB; USPAT	OR	ON	2009/12/15 14:17
S71	35	S70 and nano	US-PGPUB; USPAT	OR	ON	2009/12/15 14:17
S72	21	(Monocrystalline near3 material) and (Nano near (object material subject layer))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/15 14:36
S73	4	(Monocrystalline near3 material) and (Nano near dot)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/15 14:38
S74	70	Monocrystal\$3 same nano	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/15 14:40
S75	10	Monocrystal\$3 same nano	US-PGPUB; USPAT	OR	ON	2009/12/15 14:40
S76	4160	nano and (silicon near carbide)	US-PGPUB; USPAT	OR	ON	2009/12/15 14:43
S77	99	nano and ((silicon near carbide) same beta)	US-PGPUB; USPAT	OR	ON	2009/12/15 14:43
S78	2	"20050211970"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/18 15:06

**EAST Search History (Interference)**

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